

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A substrate for thin film solar cells consisting of a transparent insulating substrate, and a transparent electrode layer including at least zinc oxide deposited on the transparent insulating substrate,

wherein the transparent insulating substrate has a fine surface unevenness having a root-mean-square deviation of the surface of 5 to 50 nm in an interface by a side of the transparent electrode layer, and

a projected area consists of a curved surface, wherein

the transparent insulating substrate consists of stacked layer of a transparent base material having a smooth surface, and a transparent foundation layer, and the transparent foundation layer comprises transparent micro-particles having an average particle diameter of not less than 10 nm and less than 100 nm, and a transparent binder.

2. (Original) The substrate for thin film solar cells according to Claim 1, wherein the transparent electrode layer has a film thickness of not less than 1 micrometer.

3. (Previously Presented) The substrate for thin film solar cells according to Claim 1, wherein

a haze ratio measured as a ratio of a diffuse transmittance to a total transmittance using a C light source is not less than 20%.

4. (Cancelled)

5. (Previously Presented) A thin film solar cell comprising the substrate for thin film solar cells according to Claim 1.

6. (Previously Presented) An integrated type thin film solar cell, comprising the substrate for thin film solar cells according to Claim 1, and at least one crystalline photoelectric conversion unit layer and a back face electrode layer deposited on the transparent electrode layer, wherein the layers are further isolated by a plurality of isolation grooves so as to form a plurality of photoelectric conversion cells, and the plurality of photoelectric conversion cells are mutually electrically connected in series via a plurality of connection grooves.

7. (Previously Presented) A method for manufacturing a substrate for thin film solar cells according to Claim 1, wherein the transparent electrode layer including at least zinc oxide are deposited at temperatures of the transparent insulating substrate of not less than 150 degrees C.

8. (New) The substrate for thin film solar cells according to Claim 1, wherein the transparent foundation layer comprises transparent micro-particles having an average particle diameter of not more than 95 nm.

9. (New) The substrate for thin film solar cells according to Claim 1, wherein the transparent foundation layer comprises transparent micro-particles having an average particle diameter of not more than 90 nm.

10. (New) The substrate for thin film solar cells according to Claim 1, wherein the transparent foundation layer comprises transparent micro-particles having an average particle diameter of not more than 80 nm.

11. (New) The substrate for thin film solar cells according to Claim 1, wherein
the transparent foundation layer comprises transparent micro-particles having an
average particle diameter of not more than 70 nm.

12. (New) The method for manufacturing a substrate for thin film solar cells
according to Claim 7, wherein the transparent electrode layer is formed by a low
pressure thermal CVD method.